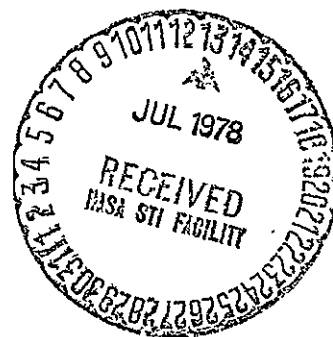


(NASA-TM-78493) AMES RESEARCH CENTER N78-27042
PUBLICATIONS-1976 (NASA) 168 p HC A08/MF
A01 CSCL 05B
Unclas
G3/99 23299

AMES RESEARCH CENTER PUBLICATIONS — 1976

May 1978



AMES RESEARCH CENTER PUBLICATIONS — 1976



National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035

FOREWORD

This volume is the fourth issue of *Ames Research Center Publications* covering literature published in 1976. The previous issues covered the period from July 1, 1971 through December 31, 1975. Annual issues are intended for each subsequent calendar year. *Ames Research Center Publications* continues the earlier *Contributions of Ames Research Scientists to the Aerospace Literature*, which covered the fiscal years 1969, 1970 and 1971.

The bibliography is divided into two sections: Section I includes published works appearing during the calendar year 1976; and Section II includes publications for earlier years not included in previous annual bibliographies. Publications are listed by directorate, division, type of publication and author. The Ames organization code appears in the lower right hand corner of each page containing citations for divisions represented in the bibliography. Each NASA report is identified by a technical report number and by a NASA accession number so that most items can be ordered by using the information provided.

Additional information for ordering publications cited may be obtained by referring to NASA's *Scientific and Technical Aerospace Reports* (STAR), *Limited Scientific and Technical Aerospace Reports* (L-STAR), and *International Aerospace Abstracts* (IAA). The NASA unlimited reports are available in either hard copy or microfiche through the National Technical Information Service (NTIS), Springfield, VA 22151, or through the Government Printing Office (GPO), Washington, D.C. 20402. Items identified with an X accession number are often limited or classified and available only to certain individuals or organizations. These documents must be ordered from the NASA center or from the institution which produced them. Patents are available through the Commissioner of Patents, U.S. Patent Office, Washington, D.C. 20231.

Betty R. Sherwood
Compiler

TABLE OF CONTENTS

SECTION I — 1976 PUBLICATIONS

ORGANIZATION	Page
Office of the Director (D)	1
Health and Safety Office (DS)	2
Planning and Analysis Office (DM)	3
Administration Directorate (A)	
Services and Supply Division (AA)	5
Technical Information Division (AT)	6
Technology Utilization Office (AU)	7
Aeronautics and Flight Systems Directorate (F)	8
Aerodynamics Division (FA)	9
Aeronautical Systems Office (FM)	19
Aircraft Operations Division (FO)	20
Flight Systems Research Division (FS)	21
Research Aircraft Projects Office (FP)	35
Simulation Sciences Division (FL)	40
V/STOL Aircraft Technology Division (FV)	41
Astronautics Directorate (S)	44
Advanced Missions Office (SM)	45
Applications Division (SE)	47
Chemical Research Projects Office (SC)	49
Flight Project Development Division (SD)	55
Project Pioneer (SA)	59
Space Science Division (SS)	60
Thermo- and Gas-Dynamics Division (ST)	72
Federal Aviation Administration (T)	85
Life Sciences Directorate (L)	86
Biomedical Research Division (LR)	87
Biotechnology Division (LT)	92
Flight Experiments Office (LF)	99
Man-Vehicle Systems Research Division (LM)	100
Planetary Biology Division (LP)	101
Research Support Directorate (R)	105
Computation Division (RK)	106
Reliability and Quality Assurance Office (RQ)	107
Research Facilities and Instrumentation Division (RF)	108
Technical Services Division (RS)	111
Army Air Mobility Research & Development Laboratory and Ames Directorate (X,Y)	112

SECTION II — ADDENDUM: PRIOR YEARS' PUBLICATIONS

Office of the Director (D)	
Health and Safety Office (DS)	115
Aeronautics and Flight Systems Directorate (F)	
Aeronautics Division (FA)	116

ORGANIZATION	Page
Flight Systems Research Division (FS)	117
Research Aircraft Project Office (FP)	119
Aeronautics Directorate (S)	120
Advanced Missions Office (SM)	121
Applications Division (SE)	122
Chemical Research Projects Office (SC)	123
Flight Project Development Division (SD)	124
Space Science Division (SS)	125
Thermo- and Gas-Dynamics Division (ST)	127
Life Sciences Directorate (L)	
Biomedical Research Division (LR)	128
Biotechnology Division (LT)	129
Planetary Biology Division (LP)	130
Research Support Directorate (R)	131
Computation Division (RK)	132
Research Facilities and Instrumentation Division (RF)	133
Army Air Mobility Research & Development Laboratory and Ames Directorate (X,Y)	134

SECTION III -- AUTHOR INDEX

Index	137
-------	-----

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OFFICE OF THE DIRECTOR

JOURNAL ARTICLES, MEETING PAPERS, BOOKS AND CHAPTERS OF BOOKS

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AUTHOR INDEX

A.

Acharya, M., 560
Ackerson, K. L., 457
Adamson, M. J., 522, 577, 642
Aderhold, J. R., 49, 50, 81, 82
Adler, I., 569
Aeppli, T. C., 764
Agopian, K. G., 545
Ahtye, W. F., 174
Aiken, T. N., 185, 186
Alexander, G., 797
Alexander, H. R., 249, 250, 251, 252, 253
Alvares, N. J., 330
Amtmann, E., 660, 661
Anderson, D., 543
Anderson, E. B., 170
Anderson, J. E., 302
Anderson, J. L., 227, 264, 273, 284, 285, 286
Anderson, R. A., 324, 364
Andrastek, D. A., 264, 274
Anselmi, R. T., 763
Aoyagi, K., 232, 233
Aoyagi, M., 805, 806
Ardema, M. D., 228, 229, 265, 287, 288, 289
Armstrong, R. L., 164
Arno, R. D., 312
Arnold, D. B., 364
Arnold, J. O., 561
Arons, J., 428, 429
Arvidson, R., 430
Arvidson, R. E., 482, 484
Ashley, H., 74
Atencio, A., Jr., 220
Athans, M., 175, 181, 212, 224
Atlan, H., 729, 739
Averner, M. M., 767, 770
Avrin, P., 484

B.

Bachalo, W. D., 21, 30, 71
Bada, J. L., 787
Bader, M., 295
Baer, J. A., 718
Bailey, F. R., 524, 898
Bailey, H., 627
Bailey, H. E., 628
Bailey, R. O., 38
Baker, R. A., 771
Bakke, A. P., 809
Baldwin, B., 431, 489, 492, 523
Baldwin, B. S., 562

Baldwin, R. C., 885
 Ballhaus, W. F., 524
 Ballou, E. V., 730
 Banerjee, D., 839, 924
 Bank, H., 488
 Barber, M. R., 132
 Barchas, J. D., 677
 Barlow, A., 40
 Barman, J. F., 176
 Barnes, A., 432
 Baty, D. L., 701, 702, 731
 Bauer, E., 563
 Baum, J. W., 5
 Beam, R. M., 564, 640
 Becker, D. H., 820
 Becker, T., 436
 Beljan, J. R., 685, 694, 695
 Bedinger, J. F., 425
 Beltramo, M. N., 227, 273
 Bencze, D. P., 22, 23, 24
 Bensch, K. G., 739
 Bensoussan, A., 177
 Bentley, P. B., 917
 Benton, E. V., 738
 Berdahl, B. J., 652, 793
 Bergquist, R. R., 864
 Bergstrom, R. W., 433, 472, 473, 888, 889
 Bergstrom, R. W., Jr., 404
 Bernauer, E. M., 691
 Berry, W. E., 764
 Betzina, M. D., 107
 Biggers, J. C., 139, 205
 Billings, C. E., 703, 704, 711
 Billman, K. W., 525, 527, 540, 565
 Bilow, N., 886
 Binder, A. B., 482, 483, 484
 Binding, A. T., 364
 Biron, D. F., 566, 567
 Black, D. C., 434
 Blanchard, M., 406
 Blanchard, M. B., 405, 407, 497
 Bland, M. P., 238, 275
 Blanvillain, P., 178
 Blasius, K. R., 450
 Blizard, D. A., 732
 Blome, J. C., 533
 Bloomquist, C. E., 808
 Bodenheimer, P., 434
 Bodenheimer, R. E., 879, 880
 Boese, R. W., 478
 Bogomolni, R. A., 771, 789
 Boitnott, C. A., 526

Boles, R. A., 157
 Bond, G. H., 666
 Bonnett, W. S., 111
 Bornstein, R. D., 472, 473, 888, 889
 Borucki, W. J., 435, 436, 449, 516
 Bourne, G. H., 690
 Bousman, W. G., 831, 842, 855
 Bowles, J. V., 230, 234
 Boxwell, D. A., 832, 852, 854
 Bradbury, P., 156
 Bradfute, J. G., 133
 Bradley, E. S., 51, 52
 Bray, R. S., 108
 Brennan, P. J., 373, 374, 391, 396
 Brewer, G. D., 857
 Bricker, R. W., 319
 Briggs, G. A., 450
 Brock, P. J., 671
 Broek, D., 551
 Brosh, A., 604, 646
 Brown, D. H., 107
 Brown, F. S., 652
 Brown, P. A., 662
 Brown, S. C., 145, 179
 Brown, T. H., 662
 Brownlee, D. E., 408, 437
 Bryder, R. B., 647
 Brzezińska, Z., 672, 674, 675
 Bucci, T. J., 332
 Budininkas, P., 719
 Buenz, D., 158
 Bull, J. S., 114, 180
 Bullock, R. B., 136
 Bunch, T. E., 405, 406, 408, 409, 414, 447, 488
 Burlaga, L. F., 498
 Burns, J. A., 308, 438, 439
 Burns, W., 308
 Burrous, C. N., 145, 179
 Butte, J. C., 680

C.

Cameron, A. G. W., 440
 Cameron, R. M., 441
 Canning, T. N., 405, 535
 Capone, L. A., 435, 436, 442, 495, 508
 Caradonna, F. X., 843, 844
 Carestia, R. A., 123
 Carle, G. C., 652, 793
 Carlson, E. L., 663, 681, 816
 Carlson, R. G., 864
 Carlson, W. C. A., 572

Carlston, C. E., 484
 Carmichael, R. L., 83
 Caroff, L. J., 456
 Carr, L. W., 849
 Carr, M. H., 410, 411, 415, 416, 450
 Carros, R. J., 267
 Cassanto, J. M., 266
 Cassen, P., 410, 443, 444
 Cassen, P. M., 458
 Catalano, G., 664
 Chackerian, C., Jr., 445, 446
 Chalupnik, J. D., 845
 Chambers, A. B., 760
 Chambers, T. L., 559
 Chang, S., 772, 781, 800
 Changeris, D. G., 665
 Chao, J.-K., 452
 Chapman, D. R., 875
 Chapman, G. T., 63, 75, 859
 Chargin, M. K., 809
 Chase, W. D., 733, 752, 753
 Chatfield, D. A., 885
 Chausee, D. S., 568
 Chen, M. H., 569, 805, 806
 Cheng, C.-N., 912
 Cheng, D. Y., 101, 102, 103
 Chiao, R. Y., 678
 Childs, M. E., 57
 Chisel, D. M., 395, 475
 Chong, C.-Y., 181
 Christensen, H. E., 546, 547, 548, 549
 Christenson, J. V., 118
 Christie, C., 118
 Churchill, G. B., 848
 Cicolani, L., 137
 Ciffone, D. L., 133, 182, 183
 Clague, D. A., 447
 Clark, D. C., 749
 Clark, L. T., 845
 Clarkson, M. H., 63, 77
 Clement, W. F., 148
 Cleveland, W. B., 270
 Cochrane, J. A., 267
 Cogley, A. C., 433, 448, 449
 Colin, L., 296
 Connors, M. M., 304
 Conrad, B., 195
 Constantinides, E., 425
 Convertino, V. A., 691
 Cook, W. J., 859
 Cook, W. L., 231, 237
 Cook, W. S., 485
 Coon, G. W., 822
 Cooper, D. M., 570

Cooper, G. E., 704, 711
Corbin, S. D., 820
Corsiglia, V. R., 109, 110, 139, 183, 205
Covington, M. A., 571
Cowings, P., 732
Cowley, J. R., Jr., 399
Cox, J., 572
Coykendall, R. E., 239
Craig, R. A., 520
Crasemann, B., 569, 805, 806
Crews, S. T., 840, 923
Crisalli, A. J., 573
Cronin, S. E., 912
Cronn, F. W., 746
Crumrine, R. J., 149
Cummins, J. M., 680
Cunningham, G., 406
Curry, J. K., 239
Curtiss, H. C., Jr., 150, 838, 920
Cutts, J. A., 450
Cuzzi, J., 516

D.

Daily, W. D., 412, 454
Dalton, B. P., 776
Damant, G. H., 341
Dana, R. A., 451
Dannenberg, R. E., 574
Davies, R., 309, 310
Davis, A., 406
Davis, J. E., 111
Davis, S. S., 64, 65
Deal, P. H., 769, 913
Dean, W. C., II, 909
DeBra, D. B., 151
Debs, R. J., 392
Deiwert, G. S., 575, 576, 605
Delano, C. B., 325, 370, 555, 885
Delaplaine, R. W., 828
Delfour, M. C., 177
Demers, L. M., 665
Denery, D. G., 195
Denman, S. C., 55
De Rose, C. E., 390
DeRoshia, C., 669
DeRoshia, C. W., 666
De Vincenzi, D. L., 768, 769, 773
De Young, D. S., 469
Dickey, R. R., 597
Dickinson, S. O., 129
Dimeff, J., 801, 802, 803, 804, 915
Dirren, H., 684

Disser, E. F., 554
 Dods, J. B., Jr., 25
 Dolkas, C. B., 729
 Dominique, G. J., 648
 Domke, A. E., 239
 Dorchak, K. J., 655, 656, 657
 Dougherty, E., 906
 Douglass, D. L., 625
 Dowell, E. H., 921
 Down, K. S., 313
 Draemel, R., 363
 Drinkwater, F. J., III, 114
 Drozd, R., 430
 Dryer, M., 452
 Dubach, J., 442
 Dubin, A. P., 277
 Duckett, R. J., 485
 Dugan, D. W., 302
 Dunham, E. W., 484
 Durisen, R. H., 453
 Dvorak, F. A., 204
 Dyal, P., 412, 454

E.

Eberlein, A. J., 152
 Eckert, W. T., 112, 113
 Edmonds, J. D., 455
 Edwards, D. K., 381, 382
 Edwards, F. G., 114
 Egolf, T. A., 864
 Ehlers, F. E., 26
 Eilek, J. A., 456
 Einhorn, I. N., 885
 Ekstedt, T. W., 139, 205
 Elkins, W., 754, 755
 Elliott, D. W., 276
 Elliott, G. R., 677
 Ellis, S., 667, 676
 Engelbert, D. F., 809
 Eninger, J. E., 376, 381, 382, 383
 Ephrath, A. R., 705
 Erickson, E. F., 413, 424
 Erickson, H. H., 668
 Erickson, J. C., Jr., 153
 Erickson, L. L., 26, 41
 Ericson, E. F., 509
 Erlichman, J., 406
 Erzberger, H., 176
 Esker, D. W., 242

Esser, A. F., 774
Evans, J. W., 669
Evans, L. C., 296
Evans, P. F., 154
Eyer, C., 720

F.

Fajfar, B., 275
Falarski, M. D., 184, 185, 186
Fassbender, A. G., 642
Feistel, T. W., 197
Feldman, K. T., 384
Fels, M. F., 6
Ferry, G. V., 407, 437
Fester, D. A., 302
Fewell, L. L., 317, 333
Fink, U., 512
Fish, R. H., 318, 334
Fisher, F., 363
Fisher, G. L., 660
Fitzgerald, J. W., 757
Flamm, D. L., 734
Fontenot, J. A., 318
Ford, F., 811
Foster, J. D., 114, 115
Fox, P. L., 484
Frank, L. A., 457, 477
Franklin, J. A., 116, 861
Freund, W. R., 663
Frick, J., 524
Fricker, P. E., 458
Fridman, J. D., 187
Fryer, T., 663
Fryer, T. B., 226, 681, 812, 813, 814, 815, 817, 818, 820, 821
Fudali, R. F., 875
Fuhs, A. E., 46
Fujiwara, T., 636
Funkhouser, H., 703
Furst, A., 338, 342, 344, 357, 358, 360, 680, 750
Futrell, J. H., 885

G.

Galloway, T. L., 230, 268, 269, 290, 291
Gambucci, B. J., 232, 233
Ganiaris, N. J., 659
Ganzer, V. M., 168
Garodz, L. J., 132
Gartner, W. B., 706
Gault, D. E., 461, 464, 500
Gaume, J. G., 326, 364

Gautier, T. N., III, 512
 Gehrz, R. D., 462
 Gemmer, R. V., 335, 337
 Gershwin, S., 175
 Ghistă, D. N., 670
 Gibbons, R. V., 464
 Gibbs, B., 15
 Gibson, R. J., 906
 Gierasch, P. J., 890
 Gilbreath, W. P., 577, 642
 Gilwee, W. J., 354, 369
 Gilwee, W. J., Jr., 336, 362, 365
 Ginoza, H. S., 793
 Giver, L. P., 478
 Glick, J. M., 696
 Gloria, H. R., 522
 Glover, R. M., 578
 Gobetz, F. W., 277, 278
 Goettelman, R., 497
 Goka, T., 179
 Golarz de Bourne, M. N., 690
 Goldman, A., 866
 Goldsberry, R. E., 522
 Goldstein, H. E., 643, 644
 Golub, M. A., 323, 335, 337, 367
 Gonzalez, R. C., 879, 880
 Goodman, R. M., 906
 Goodwin, A. L., 693
 Goodwin, F. K., 553
 Gordon, G., 49, 50
 Gorham, J. A., 155
 Gotlieb, P., 243
 Goto, N., 117
 Gower, M. C., 526
 Graboske, H. C., Jr., 491
 Graham, W. C., 808
 Gray, H. R., 579
 Greeley, R., 296, 411, 414, 415, 416, 423, 450, 459, 460, 466, 467, 468, 490,
 500, 515, 891
 Greenleaf, C. J., 656
 Greenleaf, J. E., 655, 656, 657, 671, 672, 674, 675, 689, 691, 697
 Gregory, T. J., 82, 104, 858
 Grenander, S. U., 484
 Grgurich, J., 156
 Griffith, R. V., 5
 Griffith, W. I., 551
 Grindeland, R. E., 667
 Groll, M., 373, 375, 376, 377
 Grossman, A. S., 491
 Grote, M. G., 385
 Grunbaum, B. W., 698

Guest, J. E., 411, 461
Guinness, E., 430
Guinness, E. A., 484
Gunter, W. D., Jr., 823, 824
Gupta, J. N., 879, 880
Gustafson, T. K., 678
Gutman, S., 119, 188, 189, 870, 871
Gwin, L. B., 66

H.

Haberle, R., 490
Habibi, A., 883, 884
Hackett, J. E., 154, 157
Hackwell, J. A., 462
Hague, D. S., 54, 426, 580
Haines, D. M., 164
Haines, R. F., 671, 756, 757
Hake, R. D., 892, 893, 894
Halberstadt, M. L., 321, 327
Haley, G., 328
Hall, C. F., 400, 402
Hall, G. F., 922
Hall, W. E., Jr., 158
Hanly, R. D., 67, 68
Hansen, C. F., 528
Hanson, R. J., 388
Hanson, W. B., 485
Hardy, G. H., 116, 141
Harper, M., 288, 292
Harrison, E. S., 329, 370
Hart, S. G., 707
Hasegawa, H., 363
Hashimoto, K., 463
Haughney, L. C., 419, 420
Hawkins, J. E., 53
Heath, J. E., 911
Hegarty, D. M., 114
Heinemann, K., 581, 608, 625, 645
Heinrich, M. R., 775
Helliwell, W. S., 897
Helmle, L. C., 729
Hendricks, T. C., 303
Heritage, J. P., 678
Herman, M. M., 738
Hermann, R., 190, 191, 192, 193, 199
Herz, M. J., 308
Hess, R. A., 120, 121, 194
Hewitt, J. E., 5
Hickey, D. H., 138, 231

Hicks, R. M., 36, 48, 69
 Hilado, C. J., 320, 332, 336, 338, 339, 340, 341, 342, 343, 344, 345, 346,
 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360,
 361, 362, 363, 364, 365, 366, 368, 680
 Hill, G. C., 234
 Hill, J. W., 907, 908
 Hill, P. G., 164
 Hill, R. E., 464
 Hilliker, K., 786
 Hinrichs, C. A., 297
 Hixon, C. W., 721
 Hobbs, L., 906
 Hobby, G. L., 652
 Hochstein, L. I., 776, 777, 799
 Hodder, B., 845
 Hodder, B. K., 122, 846
 Hodges, D. H., 833, 834, 847, 855
 Hodgson, M. G., 685
 Hörz, F., 464
 Hoffman, W. C., 159
 Hohenberg, C., 430
 Hohenemser, K. H., 839, 840, 923, 924
 Holland, F. F., 720
 Holley, D. C., 669
 Hollister, W. M., 159
 Holman, R. B., 677
 Holst, T. L., 637, 638
 Holt, M., 21, 79, 589
 Holtz, T., 80, 568
 Honrath, J., 51
 Hopkins, E. J., 27, 28, 29, 70
 Hopkins, J. P., 244, 245
 Hopkins, W. C., 820
 Horowitz, N. H., 652, 653
 Horstman, C. C., 582, 609
 Howard, F. S., 579
 Howard, J. C., 708, 709, 735
 Howard, W. H., 696, 699
 Howe, J. T., 583, 594, 612
 Howell, M. H., 32
 Hruby, R. J., 123
 Hsu, M.-T., 362
 Hsu, M.-T. S., 359, 365
 Huang, K.-N., 805, 806
 Hubbard, J. S., 652
 Huck, F. O., 482, 483, 484
 Huff, E. M., 703
 Hughes, L., 5, 856
 Hung, C. M., 523, 550, 584, 585
 Huntress, W. T., Jr., 442
 Hussaini, M. Y., 586
 Hwang, K., 879, 880

Hwang, S.-B., 789
Hyde, J. R., 401
Hynes, C. S., 124, 647

I.

Idso, S. B., 497
Immen, F. H., 835
Innis, R. C., 116, 235, 861
Inouye, M., 600
Intrieri, P. F., 390
Intriligator, D. S., 465
Isom, M. P., 844
Itikawa, Y., 544
Iufer, E., 412
Iversen, J., 459, 490
Iversen, J. D., 466, 467, 468, 515

J.

Jackson, C. T., Jr., 195
Jackson, D. O., 160
Jackson, R. D., 497
Jackson, R. W., 405
Jaack, C. L., 161, 162
Jaffe, R. L., 587
Johnson, A. C., 339
Johnson, C. C., 758
Johnson, D. A., 30, 71, 72, 78, 860
Johnson, E. H., 73, 74
Johnson, E. J., 648
Johnson, F. T., 26
Johnson, J. E., Jr., 673
Johnson, K. L., 901, 902
Johnson, R. D., 652, 765
Johnson, R. E., 579
Johnson, T. L., 178, 200, 209
Johnson, W., 125, 126, 127, 128, 919
Jones, H. W., Jr., 305, 314
Jones, K. L., 484
Jones, R. T., 1, 2, 4, 43
Jope, J., 112
Joppa, R. G., 163, 168
Jorgensen, L. H., 31, 32, 33
Jungclaus, G. A., 778
Jury, E. I., 871

K.

Kaciuba-Uściłko, H., 672, 674, 675
Kadman, Y., 246
Kahn, R., 484

Kaji, S., 196
 Kanninen, M. F., 551
 Karmarkar, J., 858
 Karre, L. E., 886
 Katvala, V. E., 643
 Keener, E. R., 34, 75
 Keihm, S. J., 552
 Keil, L. C., 665, 671, 676
 Kellar, K. J., 677
 Kelley, H. J., 247
 Kelly, M. W., 129, 138
 Kenyon, D. H., 779
 Kerwin, W. J., 801
 Keyes, J. W., 637
 Khan, I. H., 588
 Khare, B. N., 511
 King, R. R., 69
 Kirchner, R. F., 788
 Kirk, D. B., 95, 390, 501
 Kirkland, F. P., 53
 Kirkpatrick, J. P., 374, 375, 377, 391
 Klein, E., 720
 Klein, G. D., 648
 Klein, H. P., 649, 650, 651, 652, 653, 654, 795
 Klopfer, G. H., 589
 Knauer, S., 306
 Knauer, S. C., 315
 Knight, T. C. D., 485
 Koch, R. A., 800
 Kojima, G. K., 174, 816
 Kok, B., 765
 Kollias, J., 657
 Kozłowski, S., 672
 Komoda, M., 130
 Konigsberg, E., 700
 Konsewicz, R. K., 238, 275
 Korsak, A. J., 195
 Kostiw, L. L., 780
 Kourtides, D. A., 317, 319, 320, 336, 338, 343, 354, 358, 359, 362, 363, 364, 365, 368, 680
 Koutsoyannis, S. P., 131
 Kraus, E. F., 279, 280
 Kreifeldt, J., 710
 Krieger, R. J., 546, 547, 548, 549
 Kroeger, R. A., 197
 Kronzon, Y., 76
 Kruse, R. L., 75
 Ku, R., 175
 Kubacki, R., 751
 Kubokawa, C. C., 17

Kubota, H., 529
Kuehner, A. V., 5
Kuhn, G. D., 553
Kurkowski, R. L., 132
Kutler, P., 543, 568, 590, 591, 633
Kvenvolden, K. A., 912
Kwong, R. H., 198
Kyte, F., 406, 407, 417

L.

LaBossiere, L. A., 345, 346, 347, 359, 362, 365
LaDou, J., 856
Lahav, N., 781
Lahn, T. G., 152
Lambregts, A. A., 160
Landgrebe, A. J., 864
Lane, J. W., 266
Lanfranco, M. J., 623
Langseth, M. G., 552
Lanyi, J. K., 782, 783, 784, 785, 786, 794
Larsen, W. E., 140, 213
Larson, H. P., 512
Lasagna, P. L., 115, 146, 210
Latham, E. A., 35, 94
Lauber, J. K., 703, 704, 711
Lawless, J. G., 778, 914
Lea, S. M., 428, 429, 469, 470, 471
Leach, C. S., 693, 694
Leach, R., 459
Lederberg, J., 652, 653
Lee, C., 787
Lee, E. H., 592, 621
Lee, R. D., 816, 825
Lee, R. L., 472, 473, 888, 889
Lefton, L., 247
Lehwalt, M. E., 793
Leiser, D., 644
Leiser, D. B., 634, 643
Leith, J. R., 721
Leitmann, G., 188, 189, 870
Leon, H. A., 342, 350, 359, 363, 680
Leonard, A., 566, 567, 593
Leovy, C. B., 493
Lerner, N. R., 362, 365
Le Shane, A. A., 278
Levin, G. V., 652, 653
Levinthal, E. C., 482, 483, 484
Levy, L. L., Jr., 605, 630
Lewis, G. E., 243
Liebes, S., 484
Liebes, S., Jr., 482, 483

Lilley, D. E., 157
Lin, C. H., 678
Lincoln, K. A., 571
Lindsey, G., 304
Linlor, W. I., 307
Little, L. J., 243
Liu, C.-H., 594
Liu, G. N., 571
Loehrke, R. I., 392
Loew, G. H., 788
Loewenstein, M., 895
Lomax, H., 595, 596
Lopez, M. T., 332, 361
Lorell, K. R., 393, 394
Lovette, G. H., 27, 28
Lozier, R. H., 771, 789
Luebs, A. B., 133
Luedke, E. E., 382, 383
Lum, H., 521
Lumb, D. R., 313
Lundell, J. H., 597
Lundgren, P. R., 684, 739
Lyman, E. G., 703
Lyman, J., 694, 695

M.

MacCormack, R. W., 530, 562, 584, 585, 598, 599, 600
MacDonald, R. E., 782, 783, 784
MacElroy, R. D., 767, 770, 772, 791, 792
Machol, R. E. 736
Mack, H. M., 913
Madsen, M., 679
Madsen, S. E., 239
Magee, J. P., 249, 250, 251, 252, 253
Malcolm, G. N., 63, 77
Malmstrom, F. V., 737
Mancini, R. E., 810
Mann, F. I., 169
Mansfield, J. A., 321
Maples, A. L., 435
Marcussen, W. H., 338, 342, 344, 363, 366, 680
Mark, H., 3, 400, 805, 806
Maroti, L. A., 164
Marr, R. L., 848
Marshall, R. D., 722
Martin, C. F., 199, 203
Martin, D. N., 200
Martin, E. D., 601, 602, 603
Martin, J. P., 765
Martin, P. W., 647
Marvin, J. C., 531
Maskew, B., 134
Masursky, H., 450
Mateer, G. G., 604, 646

Matsuhira, D. S., 810
 Matsumoto, H., 463, 474
 Matsumoto, T., 475
 Matsumoto, Y., 521
 Matthews, S., 413
 Maycock, J. N., 298
 Mayfield, E. B., 887
 Maynard, E. E., 129
 Mazess, R. B., 679
 McAlister, K. W., 849
 McCall, M. T., 298
 McCarty, J. L., 323
 McCaslin, J. B., 5
 McCloud, J. L., III, 201
 McClure, A. H., 324
 McClure, H. M., 690
 McCormick, P. T., 476
 McCreight, C. R., 396
 McCroskey, W. J., 836, 849
 McCutcheon, E. P., 663, 681, 688, 816
 McDaid, E. P., 85
 McDevitt, J. B., 605, 630
 McElhaney, R. N., 790
 McElroy, M. B., 485
 McEwen, G. N., 818
 McEwen, G. N., Jr., 748, 817, 911
 McKee, R. G., 330
 McKenzie, R. L., 532, 606
 McNeill, W. E., 144
 McNeilly, W. R., 546, 547, 548, 549
 McPherson, W. B., 579
 McTague, J. P., 678
 McVeigh, M. A., 254, 255
 Medan, R. T., 111, 135, 136
 Mehler, W. R., 673, 900
 Mendenhall, G. D., 331, 367
 Mendoza, J. P., 36, 37
 Menees, G. P., 607
 Merrick, R. B., 202
 Merrill, G. L., 256
 Merz, A. W., 54, 426, 580
 Métois, J. J., 608
 Meyer, G., 137, 862
 Mezines, S. A., 385, 554
 Michelson, P. F., 476
 Middaugh, C. R., 791, 792
 Mihalov, J. D., 452, 457, 477, 498
 Mikasa, M. F., 206
 Mikeska, J. L., 364
 Mikulla, V., 609
 Miller, C. M., 340
 Miller, H. A., 812, 814, 815

Miller, J. H., 478, 479, 480
 Miller, N. E., 732
 Miller, R. H., 304
 Milligan, R. J., 325, 885
 Mintz, Y. H., 493
 Miquel, J., 684, 729, 738, 739
 Miranda, R., 681, 817, 818
 Mitchell, C., 309, 310
 Mitter, S. K., 177
 Modarress, D., 30, 71, 78, 79
 Monson, D. J., 610
 Montgomery, L. D., 671, 740, 741, 829
 Moody, D. L., Jr., 829
 Moore, C. B., 778
 Moore, J. W., 401
 Moore, R., 491
 Moorhead, R. D., 611, 614
 Morgan, C., 430
 Morokuma, K., 587
 Morris, E. C., 482, 483, 484
 Morris, R. E., 857
 Morris, S. J., Jr., 38
 Morrison, J. A., 165, 170, 867
 Morrison, R., 430
 Morrison, R. H., 487
 Morrison, W. D., Jr., 257, 258
 Mort, K. W., 112, 113, 138
 Mossolani, D. L., 828
 Muhlstein, L., Jr., 39
 Mulholland, D. R., 481
 Murcray, D. G., 866
 Murman, E. M., 69
 Murphy, J. P., 378, 393
 Murphy, M. R., 706, 742
 Murphy, R., 40
 Mutch, T. A., 482, 483, 484
 Myer, F. C., 206

N.

Nachtsheim, P. R., 533, 612
 Nash, J. F., 841
 Nathan, R. A., 331, 367
 Nauta, W. J. H., 900
 Nazar, K., 672
 Neel, C. B., 419, 420, 481
 Nelms, W. P., Jr., 38, 40, 80, 81, 82, 858
 Nelson, E. R., 29, 31
 Nelson, G., 406
 Nelson, H. G., 537, 579, 613, 614, 615, 626

Neuman, F., 141, 202, 203
Neuner, G. J., 555
Nicholls, R. W., 570
Niederberger, W., 789
Nier, A. O., 485
Niijima, A., 743
Nisbet, J. W., 1
Nishida, R. S., 873
Nissenbaum, A., 779
Nixon, D., 534
Noerdlinger, P. D., 486
Noji, H. S., 886
Norris, K. S., 906
Nummedal, D., 482
Nunamaker, R. S., 401
Nylen, W. E., 170

O.

Oberbeck, V., 430
Oberbeck, V. R., 405, 487
O'Brien, W. J., 259, 260, 261
Okrusch, M., 488
Okuno, A. F., 630
Olson, L. E., 204
Olzak, L. A., 714
Onischak, M., 723
Orloff, K. L., 109, 139, 187, 205, 206
Ormiston, R. A., 834, 842, 847, 850, 851, 855
Orne, D., 682, 692
Oro, J., 819
Otten, L. J., III, 87, 88, 616
Oyama, J., 660, 661, 673, 683
Oyama, V. I., 652, 653, 693

P.

Page, W., 312
Page, W. A., 580
Palladino, J., 906
Palmer, E., 744, 745
Palmer, E. A., 746
Park, C., 607, 617, 618, 619, 620, 899
Park, K. E., 179
Parker, J. A., 317, 319, 320, 322, 336, 338, 343, 354, 358, 359, 362, 363,
364, 365, 368, 369, 680
Parkin, C. W., 412, 454
Parkin, L., 710
Parra, G. T., 826
Patel, R., 222
Patel, R. V., 207, 208, 872

Paterson, J. A., 46
 Patterson, W., 484
 Patterson, W. R., 483
 Pelzmann, R. F., Jr., 386
 Peppler, W., 679
 Perkin, B. R., 41
 Perkins, R. G., Jr., 293
 Perkins, S. C., Jr., 553
 Peters, D. A., 855
 Peterson, E., 787
 Petrosian, V., 451
 Pettibone, D., 444
 Pettibone, D. W., 476
 Pettit, J., 744, 745
 Philippe, J. J., 843
 Phillips, J. R., 206
 Piazza, J. E., 113
 Pieri, D. C., 484
 Pittman, R. B., 376
 Pitts, W., 535
 Platzman, L. K., 209
 Polhemus, J. T., 659
 Polkowski, G., 406, 408
 Pollack, J., 459
 Pollack, J. B., 431, 440, 466, 467, 468, 482, 483, 484, 489, 490, 491, 492, 493, 510, 511, 515
 Pollock, G., 776
 Pollock, G. E., 912
 Ponnampereuma, C., 798
 Pope, J. M., 226
 Poppa, H., 563, 581, 592, 608, 621, 622
 Poppoff, I. G., 494
 Pound, G. M., 592
 Powell, J. D., 166, 722, 725
 Prasad, S. S., 442, 494
 Presley, L. L., 859
 Price, J. O., 324
 Pritchard, H. O., 520
 Putnam, D. F., 724
 Putnam, R. E., 83
 Putnam, T. W., 146, 210
 Putnam, W. F., 838
 Pyle, R. S., 55

Q:

Quaide, W., 406
 Quaide, W. L., 296, 408, 496
 Quattrone, P. D., 749
 Quigley, H. C., 235, 293

R.

Radford, R. C., 167
Radmer, R., 765
Rafter, R. T., 885
Ragent, B., 664
Rakich, J. V., 623, 637, 638
Ramani, S. V., 536, 624
Rambaut, P. C., 693
Randle, R. J., 713, 714, 737
Rao, D. B., 537, 625, 626
Rasmussen, D., 807, 916
Ream, A. K., 820
Reeves, P. M., 168
Reginato, R. J., 497
Reiber, J. H. C., 658, 903
Reilly, T. J., 667
Reinisch, R. F., 522
Reller, J. O., Jr., 418, 419, 420, 421
Renselaer, D. J., 873
Renthal, R., 784, 794
Reynolds, R. T., 405, 443, 458
Rhee, S. K., 321
Ricciardiello, S. R., 316, 318, 321, 323, 370, 371, 372
Rich, A., 652, 653
Riedesel, M. L., 747
Riegel, C. A., 435, 436
Rindi, A., 5
Rizzi, A., 627, 629
Rizzi, A. W., 600, 628
Rizzi, P., 74
Roberts, L., 18, 19, 20
Robinson, A. B., 684
Rochelle, R. W., 879, 880
Rockwell, D. A., 685
Roebelen, G. J., Jr., 909, 910
Rogers, J. R., 106
Rolls, L. S., 232, 233, 293
Rom, J., 76
Roscoe, S. N., 714
Rose, W. C., 72, 84, 85, 92, 860
Rosenberg, M. L., 337
Rosenblatt, L. S., 694
Rositano, S., 811
Rositano, S. A., 671, 688, 757, 821
Rosser, R. W., 316, 322
Rossow, V. J., 110, 183, 211
Rothschild, P., 710
Rouch, L., 298
Rowland, C. W., 484
Rubesin, M. W., 538, 630
Ruffell-Smith, H. P., 704, 711

Rusert, E. L., 554
Russell, P. B., 892, 893, 894
Rybicki, E. F., 551

S.

Saaski, E. W., 387, 388
Safonov, M. G., 212
Sagan, C., 431, 482, 483, 484, 492, 890
Sagara, K., 557, 639
St. John, R. H., 760
Sambell, K. W., 262, 874
Sammonds, R. I., 140, 213
Sandborn, V. A., 539
Sandell, N. R., Jr., 221
Sandler, H., 663, 664, 668, 686, 687, 688, 690, 812, 814, 815
Santman, D. M., 56
Sastry, M. S., 586
Satin, A. L., 303
Satinoff, E., 748, 817
Satyanarayana, B., 42, 86
Satyanarayana, T., 795
Saunders, R. C., III, 45, 87, 88
Saunders, R. S., 484
Savage, H. F., 895
Savodoff, M. P., 453
Sawko, P. M., 371, 372
Saxton, G. L., 354
Scarf, F. L., 498
Schairer, E. T., 269
Schappell, R. T., 659
Schaupp, R. W., 296
Schelhorn, A. E., 167
Schiff, L. B., 542, 631, 632
Schmidt, G., 811
Schmidt, S. F., 169, 868
Schmitz, F. H., 832, 852, 853, 854
Schneider, C.-P., 899
Schubert, F. H., 725, 749
Schubert, G., 443, 499
Schultz, P. H., 500
Schulz, J. R., 763
Schwartz, I. R., 59, 60, 61, 62, 89, 90
Schwind, G. K., 170
Scott, B. C., 124, 647
Scott, G. W., 49, 50
Scott, M., 309, 310
Seacord, C. L., 171
Seavey, R. E., 187
See, G. G., 725
Seegmiller, H. L., 539, 630
Segenreich, S. A., 74

Seginer, A., 76, 91, 92
 Seiff, A., 296, 485, 501, 502
 Severs, W. B., 665
 Shade, H., 406
 Shain, W. M., 281
 Shankar, V., 590, 591
 Shapira, J., 750
 Sharbaugh, L. F., 561
 Sharpe, D. L., 842
 She, C. Y., 540
 Sheets, A., 684
 Shigemoto, J. M., 475
 Shimazaki, T., 503, 504
 Shimizu, M., 504
 Shumar, J. W., 725
 Shumpert, P., 51
 Siljak, D. D., 214, 215, 216, 217, 218, 219
 Silverberg, G. D., 820
 Silverman, B., 328
 Simmonds, R. C., 762
 Simpson, C. A., 707, 715, 717
 Simpson, J. P., 422
 Singleton, R., Jr., 796
 Siracuse, R. J., 167
 Sites, M. J., 313
 Slapnicar, P. I., 574
 Slattengren, C. L., 358
 Smeltzer, D. B., 93, 94
 Smith, A. R., 5
 Smith, C. L., 288
 Smith, D. W., 116, 141
 Smith, E. J., 505
 Smith, J. A., 541
 Smith, J. K., 720
 Smith, J. R., 462
 Smith, M., 644
 Smith, M. R., 291
 Smith, R. C., 43
 Smith, W., 664
 Smith, Z. K., 452
 Smouse, K. Y., 343, 350
 Snetsinger, K., 406
 Snetsinger, K. G., 506
 Snyder, C. T., 142
 Sobocińska, J., 689
 Soderman, P. T., 143
 Solis, A. N., 344
 Sorensen, N. E., 44, 93, 94
 Sorenson, J., 151
 Souza, K. A., 774, 780, 790, 913
 Spahr, J. R., 402
 Spencer, N. W., 485
 Spitze, L. A., 730
 Spudis, P., 423

Sridhar, B., 222
 Srinivasan, G., 541
 Srinivasan, T. M., 670
 Stallcop, J. R., 565
 Stanford, T. B., 331
 Starr, W. L., 507
 Steger, J. L., 633
 Steinle, F., Jr., 39
 Steinolfson, R. S., 452
 Stephen Sherwood, F., 819
 Stephens, L. D., 5
 Stevens, K. G., Jr., 598
 Stevenson, J. E., 711
 Stewart, D. A., 634
 Stinnett, G. W., Jr., 140, 213
 Stoeckenius, W., 771, 789
 Stone, H. L., 668, 690
 Straat, P. A., 652
 Strecker, D. W., 462, 509
 Stremel, R. W., 691
 Strout, F. G., 172, 173, 220
 Stull, M. A., 797
 Sudderth, R. W., 144
 Summerfield, J. R., 282
 Summers, A., 431, 489, 492
 Summers, A. L., 458
 Summers, J. L., 43
 Sumsion, H. T., 635
 Sun, C.-C., 57
 Sundareshan, S. K., 215, 218
 Sweeney, M. A., 798
 Sweet, H. C., 762
 Swift, C. D., 393
 Swift, G., 51
 Swisher, J. H., 579
 Sword, A. J., 907, 908
 Sykora, R. G., 55

T.

Tajima, Y., 328
 Taki, S., 636
 Tan, A., 508
 Tan, M. K., 728
 Tannehill, J. C., 637, 638
 Tashker, M., 869
 Tauber, M. E., 45, 46, 95
 Taylor, G. R., 483, 484
 Taylor, R. B., 58
 Teneketzis, D., 221
 Thomas, N. L., 395, 398

Thomas, R. H., 5
 Thompson, G. A., 692
 Thompson, R. I., 424, 509
 Tickner, E. G., 754, 755
 Till, R. D., 167
 Tindle, E., 303, 612
 Tobak, M., 542
 Toda, M., 145, 222
 Todd, G., 556
 Tomandl, D., 407, 437
 Tomlin, K. H., 51
 Tomlinson, G. A., 799
 Toon, O. B., 431, 489, 492, 510, 511, 890
 Torbett, A., 309, 310
 Toridis, T. G., 670
 Toste, A. P., 798
 Traybar, J. J., 921
 Treffers, R. R., 512
 Tremor, J. W., 764
 Trenka, A. R., 925
 Tsang, T., 569
 Tsugé, S., 557, 639
 Tucker, R. B., 484
 Turner, R. L., 53
 Tustin, E., 364
 Tustin, E. A., 324

V.

Valdez, J., 34
 Valero, F. P. J., 445, 896
 Vallee, J., 14, 15
 Vallotton, W. C., 809, 810, 827
 Van Abkoude, J. C., 279, 283
 Van Allen, J. A., 401
 Van Camp, W., 431, 489, 492, 493
 Vanderplaats, G. N., 47, 48, 69, 96, 97, 98, 99
 Van Derveer, D., 656, 657
 Van Horn, H. M., 453
 Van Kuren, J. T., 616
 Vann, L. S., 750
 Vaughn, D., 171
 Vause, C. R., 853, 854
 Vedder, J. F., 497, 513, 514
 Vernikos-Danellis, J., 662, 677, 693, 694
 Vetter, H. C., 546, 547, 548, 549
 Viegas, J. R., 604
 Viezee, W., 892, 893, 894
 Vijaya Shankar, V. S., 543
 Vinokur, M., 558

Vistnes, L., 664
Viswanath, Y., 563
Vukcević, M. B., 214, 216, 217
Vyukukal, H. C., 759, 760, 761, 905

W.

Walker, J. D. A., 573
Wall, S. D., 484
Wanous, D. J., 383
Warming, R. F., 564, 640
Warner, D. N., Jr., 116
Warnock, W., 51
Wasserman, R., 167
Waters, M. H., 230, 288
Watson, D. L. M., 116
Watson, D. M., 141
Watson, E. C., 25
Watson, V. R., 435, 436
Webbon, B. W., 761
Webster, L. D., 271
Wehrend, W. R., 862
Weinhold, F., 578
Welch, G., 738
Welles, C. G., 5
Wempe, T., 710
Wenzel, A. R., 100
West, M. W., 800
Westbrook, R. M., 821
Wharton, H. E., 244, 245
Wheat, L. W., 194
White, B., 459
White, B. R., 466, 515
White, K. C., 146, 210
White, K. P., III, 887
Whiting, E. E., 561
Whitten, R. C., 435, 436, 442, 476, 494, 503, 516, 895
Whittley, D. C., 237
Widdison, C. A., 254
Wilby, J. F., 185, 186
Wilcox, D. C., 559
Wilhelms, D. E., 411
Wilkin, C. A., 873
Williams, B. A., 697, 741, 747, 748, 754, 755, 761, 817, 818
Williams, D., 641
Williams, D. H., 716, 717
Williams, D. P., 536, 624
Williams, L. J., 288, 294
Williams, W. J., 866
Williamson, R. B., 363

Willis, J. M., 848
Willsky, A. S., 198, 223
Wilson, J. B., 879, 880
Wilson, R. L., 123
Wilson, T., 14
Winget, C., 664
Winget, C. M., 666, 669, 685, 693, 694, 695
Wingrove, R. C., 147
Winovich, W., 572
Wintz, P. A., 879, 880
Wirth, M. N., 403
Witteborn, F. C., 509, 517, 518
Wolf, M. R., 452, 484
Wolfe, J. H., 400, 457, 465, 477, 498, 505, 515, 519
Wong, P. K., 224
Wood, P. C., 730
Woodward, H. T., 436
Wright, J. P., 396
Wydeven, T., 730, 751, 758
Wydeven, T. L., 734

Y.

Yager, T. J., 323
Yang, S. H., 667
Yasuda, Y., 474
Yearwood-Drayton, V., 783
Yin, L. I., 569
Yin, S. K., 839, 924
Yoshikawa, K. K., 544
Young, D. R., 682, 692, 696
Young, L. S., 397, 517, 518
Young, R. E., 296, 443, 499
Young, R. M., 187
Young, R. S., 654
Young, W., 368
Yu, Y. H., 225
Yuen, G. U., 778

Z.

Zeitman, B., 914
Ziemba, A., 672

